

Plugged and abandoned - 10/6/75

FILE NOTATIONS

Entered in MID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *P.W.B.*
Approval Letter *7-15-74*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *10-6-75*
W. ✓ WW..... TA.....
SW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.) ✓.....
..... Drill Log..... CR-N..... Micro.....
..... Sonic GR..... Lat..... Mi..... Sonic.....
JBLog..... CCLog..... Others.....

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No. *9*

6. If Indian, Allottee or Tribe Name *Flask*

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL DEEPEN PLUG BACK

7. Unit Agreement Name

b. Type of Well
Oil Well Gas Well Other
Single Zone Multiple Zone

8. Farm or Lease Name

2. Name of Operator
Chevron Oil Company - Western Division

9. Well No.

3. Address of Operator
P. O. Box 599 Denver, Colorado 80201

1

4. Location of Well (Report location clearly and in accordance with state requirements.)*
At surface 1587 ft FNL & 1921 ft FWL (SE $\frac{1}{4}$ NW $\frac{1}{4}$)

10. Field and Pool, or Wildcat

Book Cliffs - Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

S 3, T16S, R15E, SLB&M

At proposed prod. zone same

14. Distance in miles and direction from nearest town or post office*

40 road miles SE from Price, Utah

12. County or Parrish 13. State

Emery Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1587 ft.

16. No. of acres in lease 34,435 ac. Unit

17. No. of acres assigned to this well Unit Designation

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. None

19. Proposed depth 7,160 ft.

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
Ungraded Ground 6635 ft.

22. Approx. date work will start*

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2	13-3/8	48	± 300	To Surface
12-1/4	9-5/8	36	± 3,200	As Required
7-7/8	5-1/2	17 & 15.5	± 7,160	As Required

We plan to drill an Exploratory Well to an estimated TD of 17,160 ft. to test the Dakota-Cedar Mountain Formation.

Attached: Drilling Program
Well Plat
Chevron BOP Specs.

*Approve:
Copy very rough - but
need letter*

- 3 - State
- 2 - USGS
- 1 - ALF

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. *R. L. Scott*
Signed _____ Title R. L. SCOTT Sr. Drilling Supervisor Date 7-5-74

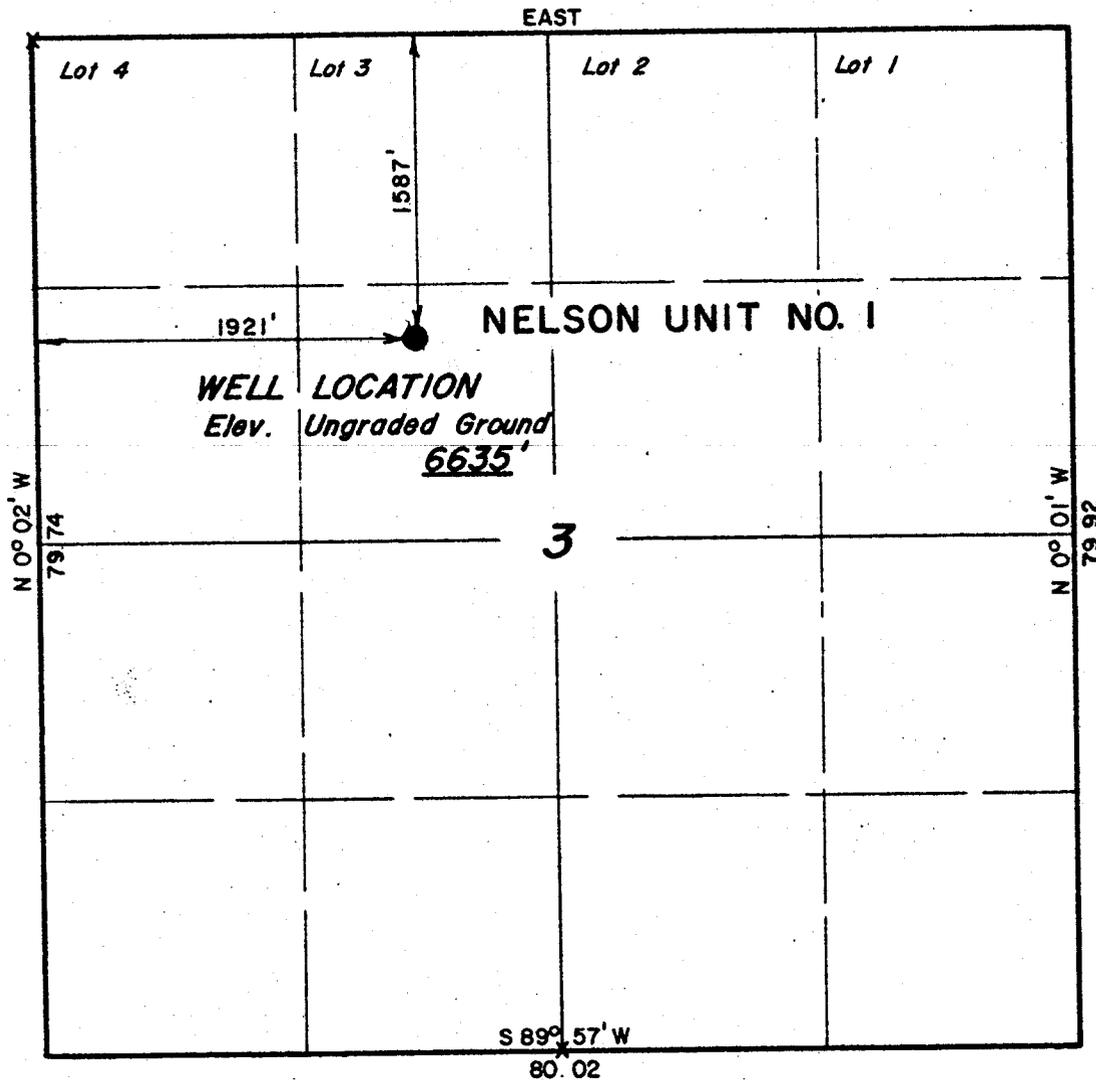
(This space for Federal or State office use)

Permit No. *25-015-30022* Approval Date _____

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

T16S, R15E, S.L.B.&M.

PROJECT
CHEVRON OIL COMPANY
 Well location, located as shown in
 the SE 1/4 NW 1/4, Section 3, T16S,
 R 15 E, S.L.B.&M. Emery County,
 Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE AND BELIEF.

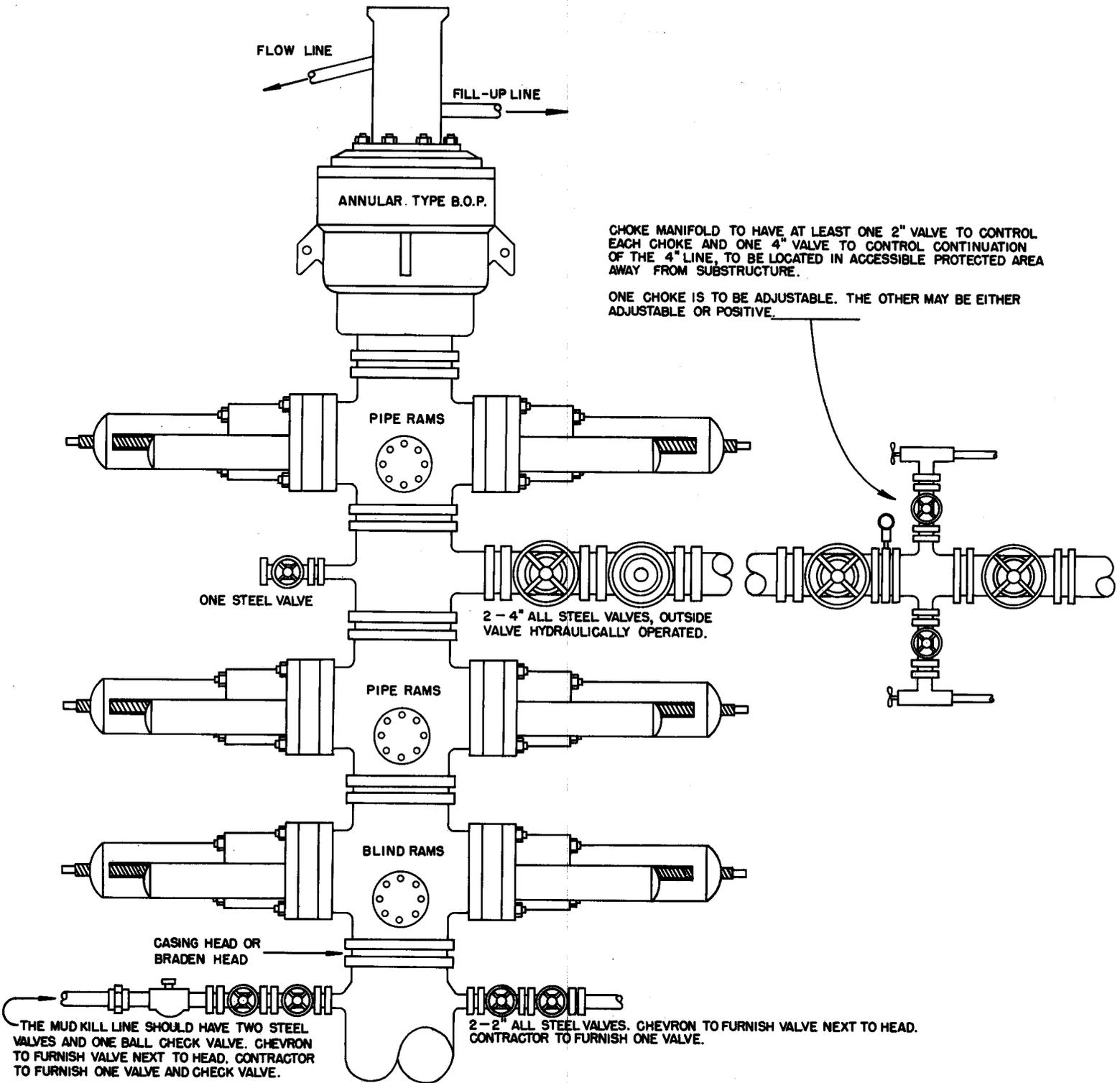
Gene Stewart

REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE JUNE 27, 1974
PARTY G.S. R.R.	REFERENCES GLO PLAT
WEATHER HOT	FILE CHEVRON OIL CO

X = Section Corners Located



CHOKE MANIFOLD TO HAVE AT LEAST ONE 2" VALVE TO CONTROL EACH CHOKE AND ONE 4" VALVE TO CONTROL CONTINUATION OF THE 4" LINE, TO BE LOCATED IN ACCESSIBLE PROTECTED AREA AWAY FROM SUBSTRUCTURE.

ONE CHOKE IS TO BE ADJUSTABLE. THE OTHER MAY BE EITHER ADJUSTABLE OR POSITIVE.

ONE STEEL VALVE

2 - 4" ALL STEEL VALVES, OUTSIDE VALVE HYDRAULICALLY OPERATED.

CASING HEAD OR BRADEN HEAD

2 - 2" ALL STEEL VALVES. CHEVRON TO FURNISH VALVE NEXT TO HEAD. CONTRACTOR TO FURNISH ONE VALVE.

THE MUD KILL LINE SHOULD HAVE TWO STEEL VALVES AND ONE BALL CHECK VALVE. CHEVRON TO FURNISH VALVE NEXT TO HEAD. CONTRACTOR TO FURNISH ONE VALVE AND CHECK VALVE.

THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY ANY COMBINATION OF HYDRAULICALLY OPERATED B.O.P.'s WHICH GIVE THE FOLLOWING COMBINATION:
 - (1) BLIND RAMS ON BOTTOM.
 - (2) PIPE RAMS ABOVE THE BLIND RAMS.
 - (3) CHOKE OUTLET AT LEAST FOUR INCHES DIAMETER.
 - (4) PIPE RAMS ABOVE CHOKE OUTLET.
 - (5) ANNULAR B.O.P. ON TOP.
- B. ALL CONNECTIONS TO BE FLANGED, STUDDED, OR GLAMPED.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. ACCUMULATOR TO PROVIDE CLOSING PRESSURE AT LEAST 15% IN EXCESS OF THAT REQUIRED, WITH SUFFICIENT VOLUME TO OPERATE B.O.P.'s.
- E. ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'s.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. FULL OPENING INSIDE BLOWOUT PREVENTER AND A FLOAT VALVE TO BE AVAILABLE ON RIG FLOOR.
- I. DUAL OPERATING CONTROLS, ONE LOCATED BY DRILLERS POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.
- J. A REGULATING VALVE FOR THE ANNULAR B.O.P. IS REQUIRED.

**CHEVRON OIL COMPANY-WESTERN DIVISION
 ROCKY MOUNTAIN PRODUCTION DIVISION
 FOUR CLOSURE HYDRAULIC BLOWOUT PREVENTERS
 CLASS A-1**

July 15, 1974

Chevron Oil Company
Box 599
Denver, Colorado 80201

Re: Well No's:
✓ Nelson Unit #1,
Sec. 3, T. 16 S, R. 15 E,
Lighthouse Unit #1,
Sec. 4, T. 16 S, R. 16 E,
Dilly Unit #1,
Sec. 4, T. 17 S, R. 16 E,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted as follows:

Nelson Unit #1 - Approved in accordance with Rule C-3(c), based on topography. However, it will be necessary to forward a letter indicating the topography in the area, and that your company owns or controls all the acreage within 660' of the proposed site.

Lighthouse Unit #1 - Same as above

Dilly Unit #1 - Approved in accordance with the General Rules and Regulations

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API numbers assigned to this well is:

Neisen Unit #1:	43-015-30022
Lighthouse Unit #1:	43-015-30024
Dilly Unit #1:	43-015-30023

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sw

cc: U.S. Geological Survey

DRILLING PROCEDURE

Field Book Cliffs - Wildcat Well Nelson Unit #1

Location NW¼ Section 3, T16S, R15E, SLB&M, Emery County, Utah

Drill X Deepen _____ Elevation: GL 6635 KB Total Depth ± 7160

Non-Op Interests Oil Development Co. of Utah (50%)
Ungraded

1. Casing Program

	<u>CONDUCTOR</u>	<u>SURFACE</u>	<u>Oil String/Knox</u>
Hole Size	<u>17-1/2</u>	<u>12-1/4</u>	<u>7-7/8</u>
Pipe Size	<u>13-3/8</u>	<u>9-5/8</u>	<u>5-1/2</u>
Depth	<u>300</u>	<u>3,200</u>	<u>7,160</u>
Cement	<u>To Surface</u>	<u>As Required</u>	<u>As Required</u>
Time WOC	<u>± 4 hrs</u>	<u>± 6 hrs</u>	<u>± 12 hrs</u>
Casing Test	<u>None</u>	<u>1500#</u>	<u>3000#</u>
BOP	<u>None</u>	<u>12" S 900 Rotating Head</u>	<u>10" S 900 A-1</u>
Remarks	_____		

2. Mud Program

<u>Depth Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
<u>0- 300</u>	<u>Water</u>	<u>Use gel as required to clean hole</u>	_____	_____
<u>300-3,200</u>	<u>Air Mist</u>	_____	_____	_____
<u>3,200-6,600</u>	<u>Air Dusting</u>	_____	_____	_____
<u>6,600-7,160</u>	<u>Gel-Chemical</u>	<u>± 9.0#/gal</u>	<u>35-40 sec</u>	<u>As required for hole stability</u>

3. Logging Program

Surface Depth None
 Intermediate Depth None
 Oil String Depth _____
 Total Depth DIL w/SP FDC w/GR & Caliper

4. Mud Logging Unit Two man unit. Entire section drilled w/mud (6600-7160)
 Scales: 2" = 100' _____ to _____; 5" = 100' 6600 to TD

5. Coring & Testing Program

	<u>Formations</u>	<u>Approximate Depth</u>	<u>Approximate Length of Core</u>
Core <u>None</u> DST <u>1</u>	<u>Dakota</u>	<u>6700</u>	_____
Core <u>None</u> DST <u>1</u>	<u>Cedar Mountain</u>	<u>7010</u>	_____

6. Objectives & Significant Tops: Objectives: Dakota and Cedar Mountain

<u>Formations</u>	<u>Approximate Depth</u>	<u>Formations</u>	<u>Approximate Depth</u>
<u>Mesaverde</u>	<u>1350</u>	_____	_____
<u>Mancos</u>	<u>3150</u>	_____	_____
<u>Dakota Silt</u>	<u>6700</u>	_____	_____
<u>Cedar Mountain</u>	<u>7010</u>	_____	_____
<u>Morrison</u>	<u>7150</u>	_____	_____

7. Completion & Remarks:

Division Development Geologist [Signature] Division Drilling Superintendent [Signature]
 Chief Development Geologist [Signature] Date 7-8-74



Chevron Oil Company
Western Division

1700 Broadway, P.O. Box 599, Denver, CO 80201

W. B. Jackson
Division Production Manager

August 2, 1974

WELL NO's:
NELSON UNIT #1,
Sec. 3, T16S, R15E,
LIGHTHOUSE UNIT #1,
Sec. 4, T16S, R16E,
DILLY UNIT #1,
Sec. 4, T17S, R16E,
EMERY COUNTY, UTAH

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Cleon B. Feight

Gentlemen:

As requested by your letter of July 15, 1974, this is to inform you that Chevron Oil Company owns or controls all of the acreage within 660 feet of subject well. The topography in the immediate area of the wells is rugged to the extent that location sites are limited both to size and accessibility.

Very truly yours,

WGB:gl

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1587' FNL & 1921' FWL (SE $\frac{1}{2}$ NW $\frac{1}{4}$)		8. FARM OR LEASE NAME Nelson Unit
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DV, RT, OR, etc.) KB 6647		10. FIELD AND POOL, OR WILDCAT Book Cliffs - Wildcat
		11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA S 3, T16S, R15E, SLB&M
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *September*, 1974, Daily Activity Report.

3 - STATE
2 - USGS
2 - FILE

18. I hereby certify that the foregoing is true and correct
SIGNED Jennifer A. Mishler TITLE Engineering Assistant DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Chevron Oil Company
Western Division

F. J. Bradsha
Oil Development of Utah

OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emary County, Utah

DAILY DRILLING REPORT

9-23-74 RURT.

9-25-74 196' drlg. 17-1/2" hole. Spudded 1:00 PM 9-24-74. KBE 6647'.

9-26-74 317' WOC. Ran 13-3/8" csg to 317' & cmtd w/400 sx. WOC 6:15 AM 9-26-74.
Good circ thruout but no cmt returns.

9-27-74 317' N/U BOPE. WOC & cutoff. Tagged cmt 2' down. Installed flange & started
N/U BOPE.

9-30-74 935' drlg. N/U & tested BOPE. Drld out after 48 hrs WOC.

October 25, 1974

MEMO FOR FILING

RE: Chevron Oil Co.
Nelson #1
Sec. 3, T. 16S, R. 15E
Emery County, Utah

On October 17, 1974, a safety inspection was made of the above referred to well.

The rig was in excellent condition and at the time of the visit they were drilling at 3756'.

Cleon B. Feight
Director

CBF;th

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

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3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
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SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached October, 1974, Daily Activity Report.

3 - STATE
2 - USGS
2 - FILE

18. I hereby certify that the foregoing is true and correct

SIGNED Jennifer A. Mishler TITLE Engineering Assistant DATE 11/1/74

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



Chevron Oil Company
Western Division

F. J. Bradshaw
Oil Development of Utah
Texaco (2)

OPERATOR: CHEVRON OIL COMPANY
FIELD: BOOK CLIFFS
CONTRACTOR: LOFFLAND

WELL NAME: NELSON UNIT 1
WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

DAILY DRILLING REPORT

9-23-74 RURT.
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Good circ thruout but no cmt returns.
9-27-74 317' N/U BOPE. WOC & cutoff. Tagged cmt 2' down. Installed flange & started
N/U BOPE.
9-30-74 935' drlg. N/U & tested BOPE. Drld out after 48 hrs WOC.
10-1-74 1094' shut down WO pump.
10-2-74 1116' drlg.
10-3-74 1509' drlg.
10-4-74 1787' drlg.
10-7-74 2549' drlg.
10-8-74 2663' drlg.
10-9-74 2755' mudding up, changing flow line.
10-10-74 2864' drlg.
10-11-74 2918' washing to btm @ 2909'. Down 15-3/4 hrs replacing shaft in compound.
10-14-74 3341' drlg. Spl T. Flagstaff 1340 (+5307); Spl T. Northorn 1480 (+5167);
Spl T. Price River 1730? (+4917); Spl T. Cartlegate 2440 (+4207).
10-15-74 3458' drlg.
10-16-74 3587' trip for bit.
10-17-74 3709' drlg.
10-18-74 3790' tripping out to log.



OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emery County, Utah

DAILY DRILLING REPORT

10-21-74 3860' drlg. Ran logs. Log tops: Flagstaff 1260 (+5387) Northorn 1482 (+5165); Mesaverde (Price River) 1852? (+4795); Castlegate 2350 (+5297). Attempted 24 SWS, rec 14. No show except 3697 good fluor & cut, 3707 spotty fluor & cut. Ran DST #1 3692-3706. 15 min IF - blow 2-3/4" water, 50 min ISI, 180 min FF opened weak - 4" water in 3 hrs, 90 min FSI. Recovered 275' MCW. Pressures: IHH 1762, IF 7, ISI 1305, FF 10 to 119 psi, FSI 1308, FHH 1757. Sample 2150 cc @ 70 psi water mud cut. 4l. Rmf @ 68^o, mud filtrate 2.2 Rmf @ 68^o. BHT 97^o.

10-22-74 3929' trip for bit.

10-23-74 3965' drlg.

10-24-74 4108' drlg.

10-25-74 4240' drlg.

10-29-74 4350' N/U 10" BOPE. Drld to 4350' & ran DIL & Sonic logs. Ran 117 jts 9-5/8" csg & cmtd @ 4344' w/2250 sxs - good circ thruout & cmt returns. WOC 12:30 AM 10-28-74. N/D 12" BOPD, cutoff & installed csg head.

10-30-74 4350' N/U 10" BOPE.

10-31-74 4350' N/U 10" BOPE & choke manifold.

11-1-74 4350' Prep to GIH & DO. Finished N/U BOPE & choke manifold. Tested to 3000 psi.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) KB 6647</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	<input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *November*, 1974, Daily Activity Report.

*3 - STATE
2 - USGS
2 - FILE*

18. I hereby certify that the foregoing is true and correct
 SIGNED Jennifer A. Mishler TITLE Engineering Assistant DATE 12/3/74

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:



Chevron Oil Company
Western Division

P. S. Drags
Oil Development of Utah
Texaco (2)

OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emary County, Utah

DAILY DRILLING REPORT

10-21-74 3860' drlg. Ran logs. Log tops: Flagstaff 1260 (+5387) Northorn 1482 (+5165); Mesaverde (Price River) 1852? (+4795); Castlegate 2350 (+5297). Attempted 24 SWS, rec 14. No show except 3697 good fluor & cut, 3707 spotty fluor & cut. Ran DST #1 3692-3706. 15 min IF - blow 2-3/4" water, 50 min ISI, 180 min FF opened weak - 4" water in 3 hrs, 90 min FSI. Recovered 275' MCW. Pressures: IHH 1762, IF 7, ISI 1305, FF 10 to 119 psi, FSI 1308, FHH 1757. Sample 2150 cc @ 70 psi water mud cut. 41. Rmf @ 68^o, mud filtrate 2.2 Rmf @ 68^o. BHT 97^o.

10-22-74 3929' trip for bit.

10-23-74 3965' drlg.

10-24-74 4108' drlg.

10-25-74 4240' drlg.

10-29-74 4350' N/U 10" BOPE. Drld to 4350' & ran DIL & Sonic logs. Ran 117 jts 9-5/8" csg & cmtd @ 4344' w/2250 sxs - good circ thruout & cmt returns. WOC 12:30 AM 10-28-74. N/D 12" BOPD, cutoff & installed csg head.

10-30-74 4350' N/U 10" BOPE.

10-31-74 4350' N/U 10" BOPE & choke manifold.

11-1-74 4350' Prep to GIH & DO. Finished N/U BOPE & choke manifold. Tested to 3000 psi.



OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emery County, Utah

DAILY DRILLING REPORT

10-21-74 3860' drlg. Ran logs. Log tops: Flagstaff 1260 (+5387) Northorn 1482 (+5165); Mesaverde (Price River) 1852? (+4795); Castlegate 2350 (+5297). Attempted 24 SWS, rec 14. No show except 3697 good fluor & cut, 3707 spotty fluor & cut. Ran DST #1 3692-3706. 15 min IF - blow 2-3/4" water, 50 min ISI, 180 min FF opened weak - 4" water in 3 hrs, 90 min FSI. Recovered 275' MCW. Pressures: IHH 1762, IF 7, ISI 1305, FF 10 to 119 psi, FSI 1308, FHH 1757. Sample 2150 cc @ 70 psi water mud cut. 41. Rmf @ 68^o, mud filtrate 2.2 Rmf @ 68^o. BHT 97^o.

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10-30-74 4350' N/U 10" BOPE.

10-31-74 4350' N/U 10" BOPE & choke manifold.

11-1-74 4350' Prep to GIH & DO. Finished N/U BOPE & choke manifold. Tested to 3000 psi.

11-4-74 4405' drlg. DOC and csg. shoe @ 4344' w/air. Drld. to 4405' w/air - hole making wtr. Mudded-up @ 4405'.

11-5-74 4594' drilling.

11-6-74 4762' drilling.

11-7-74 4945' drilling.

11-8-74 5153' drilling.

11-11-74 5644' drilling.

11-12-74 5887' drilling.



Chevron Oil Company
Western Division

F. J. Bra... w
Oil Development of Utah

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

11-13-74 6056' trip for bit.

11-14-74 6200' drilling.

11-15-74 6360' drilling.

11-18-74 6812' drilling.

11-19-74 6966' drilling.

11-20-74 7102'. Trip for bit.

11-21-74 7180' drilling. Finished trip for new bit.

11-22-74 7338' drilling.

11-25-74 7720' drilling.

11-26-74 7854' drilling.

11-27-74 8021' drilling.

12-2-74 8440' drilling.

12-3-74 8487'. Tripping in hole for DST #2, 8386-8487'.

12-4-74 8501' drilling. DST #2 8386-8487'. 10 min. IF weak blow, 45 min. ISI, 30 min. FF-weak blow, FSI 120 min. HH 4506, IFP 189, ISIP 352, FFP 212, FSIP 393, FH 4506. Recovered 305' of mud.



CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MEMBER Chevron Oil Company
 OPERATOR Chevron Oil Company
 WELL NO. 1 Nelson Unit
 FIELD Wildcat
 COUNTY Emery
 STATE Utah

LAB NO. 14295-4 REPORT NO. 11-374
 LOCATION Sec. 3-16S-15E
 FORMATION Mesaverde
 INTERVAL 3692-3706
 SAMPLE FROM DST No. 1 (MFE Sample)
 DATE November 12, 1974

REMARKS & CONCLUSIONS: Watery mud.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	646	28.11	Sulfate	400	8.32
Potassium	19	0.49	Chloride	80	2.26
Lithium			Carbonate	48	1.60
Calcium	35	1.75	Bicarbonate	1183	19.40
Magnesium	15	1.23	Hydroxide		
Iron	-		Hydrogen sulfide		
Total Cations		31.58	Total Anions		31.58

Total dissolved solids, mg/l 1826
 NaCl equivalent, mg/l 1388
 Observed pH 8.3

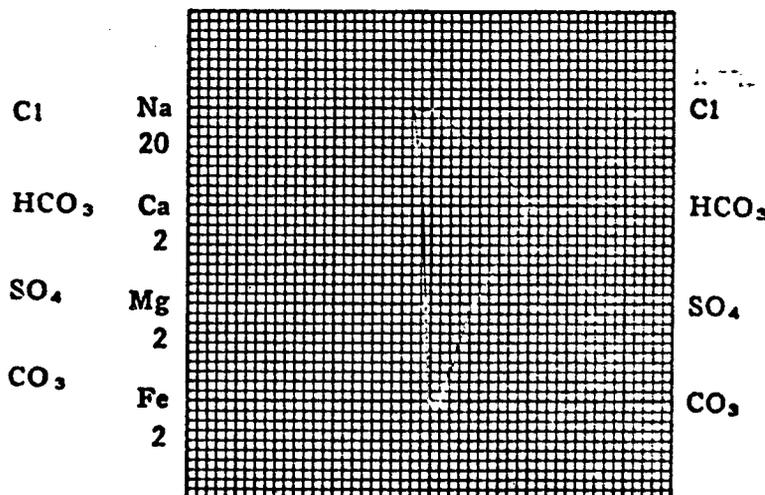
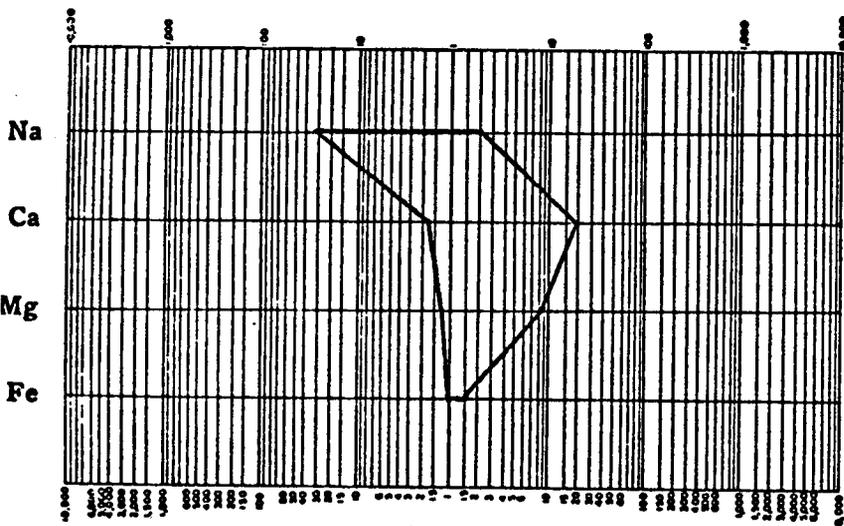
Specific resistance @ 68° F.:
 Observed 4.70 ohm-meters
 Calculated 4.60 ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC

STANDARD



(Na value in above graphs includes Na, K, and Li)
 NOTE: Mg/l=Milligrams per liter. Meq/l=Milligram equivalents per liter
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

7

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1587' FNL & 1921' FWL (SE 1/4 NW 1/4)		8. FARM OR LEASE NAME Nelson Unit
14. PERMIT NO.	15. ELEVATIONS (Show whether DV, RT, OR, etc.) KB 6647	9. WELL NO. 1
		10. FIELD AND POOL, OR WILDCAT Book Cliffs - Wildcat
		11. SEC., T., R., N., OR S.E.K. AND SURVEY OR AREA S 3, T16S, R15E, SLB&M
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *December*, 1974, Daily Activity Report.

3 - STATE
2 - USGS
2 - FILE

18. I hereby certify that the foregoing is true and correct
SIGNED Jennifer A. Mishler TITLE Engineering Assistant DATE 1/2/74

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



Chevron Oil Company
Western Division

Staff Sgt. M. I. Miller
F. J. Bradshaw
Oil Development of Utah

OPERATOR: CHEVRON OIL COMPANY. WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emery County, Utah

DAILY DRILLING REPORT

11-13-74 6056' trip for bit.
11-14-74 6200' drilling.
11-15-74 6360' drilling.
11-18-74 6812' drilling.
11-19-74 6966' drilling.
11-20-74 7102'. Trip for bit.
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12-2-74 8440' drilling.
12-3-74 8487'. Tripping in hole for DST #2, 8386-8487'.
12-4-74 8501' drilling. DST #2 8386-8487'. 10 min. IF weak blow, 45 min. ISI, 30 min. FF-weak blow, FSI 120 min. HH 4506, IFP 189, ISIP 352, FFP 212, FSIP 393, FH 4506. Recovered 305' of mud.
12-5-74 8577' drilling.
12-6-74 8642' drilling.
12-9-74 8752'. Rigging up to run logs.
12-10-74 8752'. Ran Schl logs - DIL, BHC Sonic gamma & caliper and CNL gamma & caliper. Starting in to cond hole for DST #3.
12-11-74 8753' TD. Tripping in hole for DST #3. Log tops: Dakota silt 8238' (-1591), Morrison 8712' (-2065).
12-12-74 8753' TD. Cond hole for csg. DST #3 8666-8753'. Press: (Blanked). IH 4556', 15 min. IF 1438-1912', 45 min. ISI 4158', 30 min. FF 2226-2541', 120 min. FSI 4148', FH 4556'. (Flow stream) 4572', 79-179', 4120', 393-454', 4050', 4572'. Perfs in anchor plugged off. Rec 310' drilling mud - vy weak blow during flow periods.
12-13-74 8753' TD. Cond hole and waiting on csg.



Chevron Oil Company
Western Division

Oil Development of Utah

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

12-16-74 8753' TD. Cond hole and waiting on csg.
12-17-74 8753' TD. Cond hole while WO csg. Half of csg string on location.
12-18-74 8753' TD. L/D DP to run 5-1/2" csg string.
12-19-74 8753' TD. RDRT. Ran 5-1/2" csg to 8737' and cmt'd w/900 sxs.
Removed BOPE and installed TH and tree. Released rig @ 5:00 a.m.,
12/19/74.
12-20-74 8753' TD. RDRT.
12-23-74 8753' TD MORT. Will drop from report until completion rig moves on.



Chevron Oil Company
Western Division

1700 Broadway, P.O. Box 599, Denver, CO 80201

7

January 2, 1975

NELSON UNIT #1
SE $\frac{1}{2}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
EMERY COUNTY, UTAH

U.S.G.S.
8426 Federal Bldg.
125 So. State Street
Salt Lake City, Utah 84138

Attn: Mr. E. W. Guynn

Gentlemen:

The Nelson Unit #1, an exploratory well, will commence completion operations beginning the week of 1/6/75. In order to evaluate the well's potentially productive zones, it will be necessary to flare the gas produced during the completion operations.

Your concurrence to flare gas during the aforementioned operations is requested.

Very truly yours,

R. W. PATTERSON
Area Supervisor

RWP:gl

cc: Utah Oil & Gas Conservation Commission (2)
1588 W. North Temple
Salt Lake City, Utah 84116

1-13-75

Chevron Oil Company:

Concur. See attached Supplemental NTL-4. Also, see attached NTL-4, dated Nov. 15, 1974, for reporting requirements.

E. W. Guynn
District Engineer



Chevron Oil Company
Western Division

1700 Broadway, P.O. Box 599, Denver, CO 80201

January 2, 1975

NELSON UNIT #1
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
EMERY COUNTY, UTAH

U.S.G.S.
8426 Federal Bldg.
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RWP:gl

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1588 W. North Temple
Salt Lake City, Utah 84116

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE JAN 10 1975

BY *C. D. Smith*

P Drilling Program - 1

Nelson Unit #1 Sec 3 & 16S R15E

TD 8642 will go to 8750 - Monism
9 $\frac{3}{8}$ 4344 cemented to surface

100' casing

~~Green~~

100' across Dakota

100' Monism -

DST 8384 - 8487

no water -

As alternative will place plug in bottom of hole
through Dakota - seal plug at bottom
of casing Heavy mud.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT..." for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chevron Oil Company - Western Division

3. ADDRESS OF OPERATOR
P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1587' FNL & 1921' FWL (SE 1/4 NW 1/4)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Nelson Unit

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Book Cliffs - Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S 3, T16S, R15E, SLB&M

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6647

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	Progress Report <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *January*, 1975 Daily Activity Report.

Submitted in lieu of Form 9-329

- 3 - State
- 2 - USGS
- 2 - File

18. I hereby certify that the foregoing is true and correct

SIGNED *Jennifer A. Mishler* TITLE Engineering Assistant DATE 2/3/75

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah
CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

- 1-7-75 Moved completion rig in. Rigging up.
- 1-8-75 Completion - rigged up completion rig. Now moving tubing into location.
- 1-9-75 Completion - NU BOPE. Moved tubing, well head equip and BOPE into location.
- 1-10-75 Finished nipping up BOP. Started in hole w/bit, picking up tbg.
- 1-13-75 5-1/2" csg @ 8737'. Finished PU tbg string & GIH w/csg scraper & bit. Tagged @ 8682'. Thawing out lines to get wtr to DO.
- 1-14-75 5-1/2" csg @ 8737'. DOC & FC from 8682-8695'. Continuing to DO.
- 1-15-75 5-1/2" csg @ 8737'. POOH w/tbg & bit. DO to 8720' & tested csg & pipe rams to 6300 psi. Displ hole w/KCl wtr.
- 1-16-75 8720' PBSD. Prep to perf. Finished POOH w/bit. Tested blind rams. Ran CBL - good bond below 7250' w/top cmt @ 4485'.
- 1-17-75 8720' PBSD. GIH w/RBP & pkr to BD perfs. Perfd 22 zones w/1 JPF.
- 1-20-75 8720' PBSD. BD perfs. Acidized w/3300 gal 15% HCl @ 7 $\frac{1}{2}$ BPM w/5800 psi. Swabbed acid wtr back w/FL @ 6800'. Had 25 psi TP next day bled off immediately. Continuing to swab.
- 1-21-75 8720' PBSD. RU to frac. Swabbed 55 bbl acid wtr w/FL down to pkr depth @ 8200'. SDFN. Tagged FL @ 8100' next AM & made one swab run from 8200' - no gas. POOH w/pkr & RBP. Plan to sand frac today.
- 1-22-75 8720' PBSD. Sand fraced w/80,000 gal gelled wtr containing 166,000# sand @ 53 BPM w/3700 psi - ISIP 2900 psi - 15 min SIP 2600 psi - 30 min SIP 2500 psi. SIFN. RU to tag fillup.
- 1-23-75 8720' PBSD. Well had 1400 psi well head pressure morning of 1-22-75 bled 40 BW back, press went to 800 psi. SI 15 min - press 1100 psi. Made trip with wireline, tagged fillup at 8500' (8 perfs covered). Pulled wireline tools -press 1150 psi, bled back 35 bbl and shut in - pressure 600 inc to 960 in 25 min. Bled back 80 bbl and shut in - press 480 psi, 5 min SI 625. Pressure this AM 730 psi, continuing to bleed well down.
- 1-24-75 8720' PBSD. Preparing to clean out. Back flowed 150 BW and bled well down. Ran tubing to 8050' and shut in for night. Had 500 psi CP and 160 psi TP thia AM, gas at surface. Bled down immediately. Total load water 2288, ret 305 BW. Left to recover 1983 bbls of water.



Chevron Company
Western Division

Oil Development of Utah
Texaco

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

- 1-27-75 8720' PBTB. RU to swab. Ran tbg & CO 8544-8720' PBTB. Pulled tbg and ran pkr to 8140'. Ran prod tbg, treated annulus w/KCl Hydrazine treated water. Landed tbg, removed BOP & NU tree.
- 1-28-75 8720' PBTB. Flowing well to pit to clean up. Opened well w/250 psi TP, bled off immediately. Made 4 swab runs to 1800'. Well started flowing gas and load water. Flowed well 22 hrs, recovered 200 BW leaving 1638 BW to recover. Well flowing too much water to gauge gas flow - estimated 100 MCF of gas. Continuing to flow well.
- 1-29-75 8720' PBTB. Flowed well to pit for 24 hrs. Still unloading water, estimated 175 bbl load water recovered yesterday, owes 1463 bbl load water. Gas flare burning with 12' flare. Well surging slightly stronger.
- 1-30-75 8720' PBTB. Flowed well 8-1/2 hrs - recovered est. 50 BW load water. Well surging w/3' to 20' gas flare. Shut well in 15-1/2 hrs, had 1040 psi TP thia AM, bled down in 10 min. Still bleeding well down, blowing weak with 3' flare and no water.
- 1-31-75 8720' PBTB. Flwd well to pit 24 hrs - surging wtr. & gas - rec 150 BLW, 1263 BLW to recover. Continuing to flare to pit.
- 2-3-75 8720' PBTB. Flowing by heads. Unable to est gas due to water. Unloads and dies every twelve hours.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO. 10

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chevron Oil Company - Western Division

3. ADDRESS OF OPERATOR
P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1587' FNL & 1921' FWL (SE 1/4 NW 1/4)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6647

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SI'OOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion in Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *March*, 1975 Daily Activity Report.

Submitted in lieu of Form 9-329

- 3 - State
- 2 - USGS
- 2 - File

18. I hereby certify that the foregoing is true and correct

SIGNED *Jennifer A. Mishler*

Jennifer A. Mishler
TITLE Engineering Assistant

DATE *3/3/75*

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

SUNDRY NOTICES AND REPORTS ON WELLS

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2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
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14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6647		10. FIELD AND POOL, OR WILDCAT Book Cliffs - Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 3, T16S, R15E, SLB&M
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(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached *March*, 1975 Daily Activity Report.

Submitted in lieu of Form 9-329

- 3 - State
- 2 - USGS
- 2 - File

18. I hereby certify that the foregoing is true and correct

SIGNED Jennifer A. Mishler TITLE Engineering Assistant DATE 4/1/75

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Chevron Oil Company
Western Division

Staff Sgt. M. Miller
F. J. Bradshaw
Oil Development of Utah
Texaco

OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah
CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

2-11-75 No Report.

2-12-75 2-11-75 Unloading every \pm 4 hrs then gassing for 10-15 min at rates varying from 60-80 MCFD. 568 bbls load to rec.

2-13-75 8720' PBD. Gassing w/ 2 ft fax flame. Vol. too small to measure. No load wtr produced 568 bbls to rec. Will shut in in an attempt to rock off.

2-14-75 8720' PBD. 36 hr SITP 1270 psig. Opened well and blew down in 8 minutes. No water recovered. Now blowing steadily at 9 MCFD rate. 568 bbls load water to recover.

2-18-75 8720' PBD. TP 1390 psi after 72 hrs SI. Unloaded in 9 min. Dropped 4 soap sticks & SI 1 hr. Unloaded 2-1/2 hrs, recovered 45 BW then died, owes 523 BLW.

2-19-75 No Report.

2-20-75 8720' PBD. Shut in 18 hrs - had 460 psi TP, bled down in 5 min. Dropped 6 soap sticks & left shut in.

2-21-75 8720' PBD. Unloaded 20 BW in 20 min. Drop 6 soap sticks & SI 16 hrs. TP 540. Blew down in 4 min. Drop 4 soap sticks & SI 1 hr. TP 6 psi - open well & F 15 BLW & died. Lack 508 BLW.

2-24-75 No Report.

2-25-75 No Report.

2-28-75 8720' PBD. TP 1760 psig after 141 hr SI. Opened well & blew down in 11 min. to dead. Dropped 6 soap sticks and SI one hr. TP increased to 170 psig. Opened well and flowed 30 bbls water in 45 min. then dead. Dropped another 6 soap sticks and SI for one hour with no increase in TP. Open well and flowed 20 bbls in 30 min then dead. 430 bbls load to recover. SI well until 3/6/75.

3-7-75 8720' PBD. After 164 hrs SITP 1930 psi. Blew down to dead in 12 min. Dropped 6 soap sticks and shut in one hour TP 140 psig. Opened well and recovered 40 bbls water in 70 min. Well dead. 390 bbls load to rec.

K

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-E354.5.

LAND OFFICE _____
LEASE NUMBER 14-08-0001-14204
UNIT: _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Book Cliffs Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 75, Nelson Unit 1

Agent's address P. O. Box 599 Company Chevron Oil Company
Denver, Colorado 80201 Signed Jennifer A. Mishler

Phone 303-292-1400 Agent's title J.A. Mishler, Engineering Ass't.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCE	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, causes; date and result of test for gasoline content of gas)
SE 1/4 NW 1/4 Sec. 3	16S	15E	1							
SEE ATTACHED SHEET										

3 - USGS
2 - State
2 - File

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



Chevron Oil Company
Western Division

Texaco
Staff Sgt. M. J. Miller
F. J. Bradshaw

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

- 8-25-75 8720' PBSD. MI WOR.
- 8-26-75 8720' PBSD. MI WOR. Rig brokedown - repairing.
- 8-27-75 8720' PBSD. Prep to bleed pressure of well. Repaired rig and moved to location. RUR. This AM SITP 2300 psi, SICP 2200 psi.
- 8-28-75 8720' PBSD. Pulling tubing. Flowed well to pit for 4-1/2 hrs with rate and tubing pressure declining. Pumped 50 BW down tubing. Rel. pkr. SIFN. This AM well dead.
- 8-29-75 8720' PBSD. PULLING Retrieva D packer. POOH w/tubing and seal assembly. Ran packer retrieving tool and released packer at 8140'. Start OOH. SIFN. This AM well dead.
- 9-2-75 8720' PBSD. Prep to swab. Pulled tbg & Retrieva D pkr. Set redressed Retrieva D pkr on wireline at 8450'. Set AR-1 pkr at 8408' and MR-1 pkr at 8212'. Removed BOPE and install tree. Made 21 swab runs in 9 hrs and recovered approx. 75 BW. Began flowing by heads. 8/30/75 Flow 50 BW. 1 hr SITP 100 psi. 8/31/75 7 hr SITP 520 psi. Bled to 0 in 1-1/2 hr. Rec. 8 BW. 9/1/75 6 hr SITP 550 psi. Bled to 0 immediately. Flowed 60 BW by heads. 9/2/75 6 hr SITP 520 psi. Bled to 0 immediately.

September 29, 1975

MEMO FOR FILING

Re: Chevron Oil Company
Nelson Unit #1
Sec. 3, T. 16 S., R. 15 E.
Emery County, Utah

On September 26, 1975, a call was received from Mr. Pat Patterson, of Chevron Oil Company, requesting permission to plug the above well.

Pertinent data is as follows:

T.D. 8752', PBTD 8720'-
5 1/2" casing 8737' - Top of cement behind the casing 4485'.

9 5/8" casing 4344' - Cemented to surface.
Perforations: 8238'-8708'.

Will cut off 5 1/2" casing at 4400'.

Plugging Program (Heavy mud between plugs).

8720'-7700'	100 Sx Cement.
4300'-4000'	150 Sx Tying in 9 5/8" & 4 1/2"
15' - Surface	20 Sx

A dry hole marker will be erected and the location cleaned. Verbal permission to plug the well, was granted to Chevron on 9/26/75, by PL L. Driscoll.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

LAND OFFICE _____
LEASE NUMBER 14-08-0001-14204
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Book Cliffs Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of Sept, 19 75, Nelson Unit 1

Agent's address P. O. Box 599 Company Chevron Oil Company
Denver, Colorado 80201 Signed Jennifer A. Misher

Phone 303-292-1400 Agent's title J.A. Misher, Engineering Ass't.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCTION	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE 1/4 NW 1/4 Sec. 3	16S	15E	1							
SEE ATTACHED SHEET										



- 3 - USGS
- 2 - State
- 2 - File

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



Chevron Oil Company
Western Division

Oil Development of Utah
Texaco
Staff Sgt. M. J. Miller
F. J. Bradshaw

OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS LOCATION: SE¹/₄NW¹/₄, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emery County, Utah

DAILY DRILLING REPORT

8-25-75 8720' PBTB. MI WOR.

8-26-75 8720' PBTB. MI WOR. Rig brokedown - repairing.

8-27-75 8720' PBTB. Prep to bleed pressure of well. Repaired rig and moved to location. RUR. This AM SITP 2300 psi, SICP 2200 psi.

8-28-75 8720' PBTB. Pulling tubing. Flowed well to pit for 4-1/2 hrs with rate and tubing pressure declining. Pumped 50 BW down tubing. Rel. pkr. SIFN. This AM well dead.

8-29-75 8720' PBTB. Pulling Retrieva D packer. POOH w/tubing and seal assembly. Ran packer retrieving tool and released packer at 8140'. Start OOH. SIFN. This AM well dead.

9-2-75 8720' PBTB. Prep to swab. Pulled tbg & Retrieva D pkr. Set redressed Retrieva D pkr on wireline at 8450'. Set AR-1 pkr at 8408' and MR-1 pkr at 8212'. Removed BOPE and install tree. Made 21 swab runs in 9 hrs and recovered approx. 75 BW. Began flowing by heads. 8/30/75 Flow 50 BW. 1 hr SITP 100 psi. 8/31/75 7 hr SITP 520 psi. Bled to 0 in 1-1/2 hr. Rec. 8 BW. 9/1/75 6 hr SITP 550 psi. Bled to 0 immediately. Flowed 60 BW by heads. 9/2/75 6 hr SITP 520 psi. Bled to 0 immediately.

9-3-75 8720' PBTB. Prep to move in Otis unit to close upper sliding sleeve. Swabbed 10 BW in 3/4 hr. Well flowed 25 BW in 2 hrs & died. Dropped 2 soap sticks & SITP built to 80 psi. Opened well with no flow.

9-4-75 8720' PBTB. Prep to move in pulling unit to swab well. RU Otis unit. Closed sliding sleeve @ 8311' isolating all perfs above pkr @ 8450'. Flow 4 BW in 2 hrs. SIFN. 12 hr SITP 575 psi. Bled down in 1 min.

9-5-75 8720' PBTB. Prep to SI. Unloaded water from 10 Am to 12 AM. Well began flowing dry gas. Flow rate 17.2 MCFPD at 0 psi on no choke thru 1/2" orifice plate. Flow rate stable for 18 hrs.

9-8-75 8720' PBTB. Well shut in. RDUFA. Pulling unit unavailable until 9/11/75.

9-9-75 8720' PBTB. Waiting on workover rig.

9-10-75 8720' PBTB. Waiting on workover rig.



Chevron Oil Company
Western Division

Oil Development of Utah
Texaco
Staff Sgt. M. J. Miller
F. J. Bradshaw

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

- 9-11-75 8720' PBTB. WO workover rig.
- 9-12-75 8720' WO workover rig.
- 9-15-75 8720' WO workover rig.
- 9-16-75 8720' WO workover rig. Rig broke down in Price, Utah.
- 9-17-75 8720' repairing road, flash flood washed out part of road. Repaired rig.
- 9-18-75 8720' repairing road.
- 9-19-75 8720' repaired road. Pulling rig in w/cat.
- 9-22-75 8720' PU Pull top & middle pkr. Top pkr good cond. Middle pkr had one element torn. Now pulling bottom pkr.
- 9-23-75 8720' PBTB. RU to swab test perms 8421-38'. POOH bottom pkr. RIH retrievable pkr & BP. Set BP @ 8450' & pkr @ 8409'.
- 9-24-75 8720' PBTB. Swabbing. Rec 70 bbls wtr in 8 hrs. FL lowered from 1800-8000'. SDFN. This AM, after 10 hrs SI, TP 150 psi bled to 0 in 5 min. FL 3800'. Cl⁻ 26,000 ppm.
- 9-25-75 8720' PBTB. Made 7 swab runs, rec 30 bbls wtr & lower FL 3800' to 8000'. Reset BP @ 8410' and pkr 8200' to test perms 8238-8399'. Made 5 swab runs with FL 2000'. Rec 25 bbls wtr. Well started heading water & gas @ 30-60 MCFD. Continuing to swab and unload hole.
- 9-26-75 8720' PBTB. Swab FL 6200' down to 8200'. This AM after 12 hrs found FL @ 7100'. Swab to 8200' in two runs. Gas rate w/orifice well tester 19.5 MCFD w/10 psi TP.
- 9-29-75 8720' PBTB. On 9/26/75, measured flow rate @ 18.5 MCFD. SDFWE. After 62 hrs SI, TP 30 psi. Bled to zero in 5 min.
- 9-30-75 8720' PBTB. Prep to P&A. Flwd @ rate of 15.7 MCFD w/3 psi. Ran swab, tag FL @ 5200'. Pulled pkr & BP, WIH w/tbg open-ended. SDFN.
- 10-1-75 8720' PBTB. RU to spot cement plug. Changed out drlg line, finished trip in hole w/OE tbg.
- 10-2-75 Spotted 100 sx plug 8730-7830. Cut 5-1/2" csg @ 4300'. Prep to pull csg.

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Chercon Oil Co Representative Pat Patterson

Well No. Nelson Unit #1 Located SE 1/4 NW 1/4 Sec. 3 Twp 16S Range 15E, Emery Co.,

Lease No. Free Field Book Cliffs Area State Utah

Unit Name and Required Depth Nelson Unit Base of fresh water sands _____

8720 PB Size hole and T.D. 8753 Fill Per Sack _____ Mud Weight Brine wtr and Top 10.0 #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>13 3/8</u>	<u>317</u>	<u>Circ</u>	<u>None</u>			
<u>9 5/8</u>	<u>4344</u>	<u>Circ</u>	<u>None</u>	<u>105x in</u>	<u>9 5/8 w/ surface marker</u>	
<u>5 1/2"</u>	<u>8737'</u>	<u>4485' (CBU)</u>		<u>Attempt rec of 5 1/2 - cut approx 4400'</u>		
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>Set 150 ft on 5 1/2" stub.</u>		

Remarks

DST's, lost circulation zones, water zones, etc. Perfs 8238-8708' in 5 1/2" ^{OK}
CS9 - Set cmt plug 8720' - 8120' Hole loaded w/
10 #/gal brine wtr. Clean up loc - Fill all pits
& hole - If necessary fence pit until dry.

Approved by Ed Hays Date 9/26/75 Time 2:00 A.M. P.M.

Subject to State of Utah Approval.

cc: Operator - USGS, Denver ✓ OGCC, Utah

Perforating, Acidizing & Plugging Record
Nelson Unit 1
Book Cliffs Area

Perforated w/one shot/ft:

8708, 8702, 8697, 8692, 8673, 8667, 8660, 8550, 8541, 8525, 8469, 8485,
8477, 8438, 8432, 8426, 8421, 8393, 8390, 8253, 8243, 8238

Acidized 8708-8238 w/3300 gals of 15% HCl.

8708-8238 Frac'd well w/80,000 gallons YF4G (Dowell trade name)
 20,000 lbs 100 mesh sand, and 146,000 lbs 20/40 sand.

Plugged & Abandoned as follows:

1. Spotted 100 sx Class "G" cement 8720-7830 (perfs 8708-8238).
2. Cut & pulled 5-1/2" csg from 3486'. Spotted 150 sx Class "G" cement plug from 3532-3228.
3. Set 20 sx cement plug in top of 9-5/8" csg.
4. Installed dry hole marker.

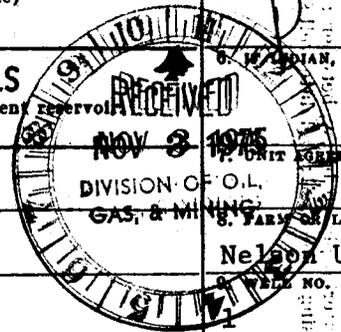
UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chevron Oil Company - Western Division

3. ADDRESS OF OPERATOR
P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1587' FNL & 1921' FWL (SE 1/4 NW 1/4)

5. LEASE DESIGNATION AND SERIAL NO.

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT FORMER NAME

8. NAME OF LEASE
Nelson Unit

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Book Cliffs-Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S 3, T16S, R15E, SLB&M

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6647 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following work has been completed:

1. Ran 2-3/8" tbg to 8720'. Spotted 100 sx Class "G" cement from 8720-7830' (Perfs 8708-8238). POOH w/tbg.
2. Cut & pulled casing (5-1/2") from 3486'. Spotted 150 sx Class "G" cement plug from 3532'-3228'.
3. Set 20 sx cement plug in top of 9-5/8" csg.
4. Installed dry hole marker.
5. Location has been cleaned up and will be reseeded at a later date by surface owner.

Left in Hole: 5251', 5-1/2", N-80, 17#, LT&C csg.
 4343.79', 9-5/8", 36#, K-55, LT&C csg.
 317', 13-3/8", 48#, ST&C csg.

Date Started: 9-29-75
 Date Completed: 10-6-75

3-USE
 2-STATE
 1-LBS
 1-FILE
 1-PARTNER

18. I hereby certify that the foregoing is true and correct
 SIGNED J. A. Mishler TITLE Engineering Assistant DATE 10-22-75

(This space for Federal or State office use)
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE _____
LEASE NUMBER 14-08-0001-14204
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Book Cliffs Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 75, Nelson Unit 1

Agent's address P. O. Box 599 Company Chevron Oil Company
Denver, Colorado 80201

Phone 303-292-1400 Signed J. A. Mishler
Agent's title J. A. Mishler, Engineering Ass't.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and results of test for gasoline content of gas)
SE 1/4 NW 1/4 Sec. 3	16S	15E	1							
SEE ATTACHED SHEET										

3 - USGS
2 - State
2 - File

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



Chevron Oil Company
Western Division

Texaco
Staff Sgt. M. C. Miller
F. J. Bradshaw

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: NELSON UNIT 1

FIELD: BOOK CLIFFS

LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah

CONTRACTOR: LOFFLAND

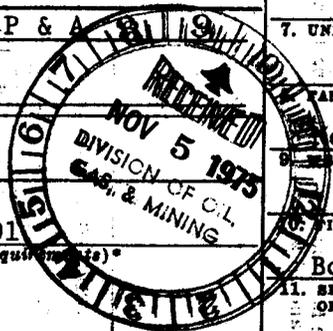
DAILY DRILLING REPORT

- 10-3-75 Unable to pull csg free @ 4300'. Cut @ 4296', unable to pull free, unable to circ. Prep to cut @ 3500'.
- 10-6-75 8720' PBTD. Cut 5-1/2 csg @ 3486'. Pulled & lay down 81 jts csg. Prep to spot cmt plug @ 3486'.
- 10-7-75 8720' PBTD. Spotted cmt plug 3528' to 3228'. Set plug in top of 9-5/8 csg & installed dry hole marker. P & A complete 10-6-75. Final Report.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*



1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other P & A

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR Chevron Oil Company - Western Division

7. UNIT AGREEMENT NAME

8. WELL NO.

3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1587' FNL & 1921' FWL (SE $\frac{1}{2}$ NW $\frac{1}{4}$)
At top prod. interval reported below same
At total depth same

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Book Cliffs - Wildcat

12. COUNTY OR PARISH Emery

13. STATE Utah

14. PERMIT NO. 43-015-30022 DATE ISSUED

15. DATE SPUNDED 9-24-74 16. DATE T.D. REACHED 12-18-74 17. DATE COMPL. (Ready to prod.) 10-6-75 18. ELEVATIONS (DF, REB, RT, OR, ETC.)* P & A KB 6647 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8752' 21. PLUG, BACK T.D., MD & TVD PBTD 8721 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS Yes CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Plugged & Abandoned

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN BHC-Sonic GR, DIL, FDC-CNL 27. WAS WELL CORED No

28. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	317'	17-1/2"	400 sx	
9-5/8"	36#	4344	12-1/4"	2250 sx	
5-1/2"	17#	3486-8737	8-3/4"	900 sx (3486' csg cut off & pulled)	

30. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		NONE		

31. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE	

31. PERFORATION RECORD (Interval, size and number)
See Attached

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
See Attached

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P & A WELL STATUS (Producing or Shut-in)

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS Perforating, Acidizing & Plugging

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. A. Mishler TITLE Engineering Assistant DATE 11-3-75

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
DST #1	3692	3706	Straddle open 195 min weak blow through-out test. Rec 275' fresh wtr, MC 2.42 bbls. IHH 1781, IFPP 10-11, ISIP 1245, FFP 33-126, FSIP 1335, FHH 1781, BHT 97°F.	Mesaverde	1275	(+5370)	
DST #2	8386	8487	MFE open hole. Tool opened w/faint blow reopened 2nd period same. No fluid to surf. 1st flow 10 min ISI 45 min. 2nd flow 30 min. FSI 120 min. 1st IHP 4506 IFP 189 FFP 189 SIP 352 2nd IFP 212 FFP 212 SIP 393 FHP 4506	Mancos	4313	(+2334)	
			Rec. 305' drlg mud - BHT 168°	Dakota Sand	8389	(-1742)	
DST #3	8666	8753	Unsuccessful	Cedar Mtn.	8492	(-1845)	
				Buckhorn	8692	(-2045)	
				Morrison	8712	(-2065)	
				TD	8753		

1

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Chevron - Nelson Unit #1

Operator Chevron Oil Company - Western Division

Address P. O. Box 599 - Denver, Colorado 80201

Contractor _____

Address _____

Location SE 1/4, NW 1/4, Sec. 3, T. 16 N, R. 15 E., Emery County.
S. N

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	From -	To -		
1.	4350 - 4405		1/4" stream to drip	Fresh
	Note: Water flow during air drilling.			
2.				
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

Mesaverde	1810
Mancos	4313
Dakota Sd	8389
Cedar Mtn	8492
Buckhorn	8692
Morrison	8712

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
 - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.



OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
CONTRACTOR: LOFFLAND Emery County, Utah

DAILY DRILLING REPORT

- 1-27-75 8720' PBTB. RU to swab. Ran tbg & CO 8544-8720' PBTB. Pulled tbg and ran pkr to 8140'. Ran prod tbg, treated annulus w/KCl Hydrazine treated water. Landed tbg, removed BOP & NU tree.
- 1-28-75 8720' PBTB. Flowing well to pit to clean up. Opened well w/250 psi TP, bled off immediately. Made 4 swab runs to 1800'. Well started flowing gas and load water. Flowed well 22 hrs, recovered 200 BW leaving 1638 BW to recover. Well flowing too much water to gauge gas flow - estimated 100 MCF of gas. Continuing to flow well.
- 1-29-75 8720' PBTB. Flowed well to pit for 24 hrs. Still unloading water, estimated 175 bbl load water recovered yesterday, owes 1463 bbl load water. Gas flare burning with 12' flare. Well surging slightly stronger.
- 1-30-75 8720' PBTB. Flowed well 8-1/2 hrs - recovered est. 50 BW load water. Well surging w/3' to 20' gas flare. Shut well in 15-1/2 hrs, had 1040 psi TP thia AM, bled down in 10 min. Still bleeding well down, blowing weak with 3' flare and no water.
- 1-31-75 8720' PBTB. Flwd well to pit 24 hrs - surging wtr & gas - rec 150 BLW, 1263 BLW to recover. Continuing to flare to pit.
- 2-3-75 8720' PBTB. Flowing by heads. Unable to est gas due to water. Unloads and dies every twelve hours.
- 2-4-75 8720' PBTB. Flowing by heads. Unloading 5 bbls. water every 3 hrs. Unable to measure gas due to water. Gas burns in 5-10' flame when unloading. 800 bbls load to recover.
- 2-5-75 8720' PBTB. No report.
- 2-6-75 8720' PBTB. Dead 14 hrs. This AM started unloading 8:30 AM for 1/2 hr. Now flowing gas - very wet at rates varying from 147 MCFD to 260 MCFD. Orifice well tester measurements. 735 -bls load to recover.
- 2-7-75 8720' PBTB. Flowed 9:00 AM - 12:00 Noon at avg. rate of 78 MCFD. Died. At 1:00 PM started unloading & gassing once each hour for 15 min. Flow rates vary between 68 MCFD to 101 MCFD. 698 bbls load to rec.
- 2-10-75 8720' PBTB. Unloading water every 2 $\frac{1}{2}$ -3 hrs. Gasses 15-20 min at 80-100 MCFD rate then dead. 592 bbls load to rec.



Chevron Oil Company
Western Division

Oil Developer of Utah
Texaco

OPERATOR: CHEVRON OIL COMPANY WELL NAME: NELSON UNIT 1
FIELD: BOOK CLIFFS WELL LOCATION: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 3, T16S, R15E
Emery County, Utah
CONTRACTOR: LOFFLAND

DAILY DRILLING REPORT

2-11-75 No Report.

2-12-75 2-11-75 Unloading every \pm 4 hrs then gassing for 10-15 min at rates varying from 60-80 MCFD. 568 bbls load to rec.

2-13-75 8720' PBTB. Gassing w/ 2 ft fax flame. Vol. too small to measure. No load wtr produced 568 bbls to rec. Will shut in in an attempt to rock off.

2-14-75 8720' PBTB. 36 hr SITP 1270 psig. Opened well and blew down in 8 minutes. No water recovered. Now blowing steadily at 9 MCFD rate. 568 bbls load water to recover.

2-18-75 8720' PBTB. TP 1390 psi after 72 hrs SI. Unloaded in 9 min. Dropped 4 soap sticks & SI 1 hr. Unloaded 2-1/2 hrs, recovered 45 3W then died, owes 523 BLW.

2-19-75 No Report.

2-20-75 8720 PBTB. Shut in 18 hrs - had 460 psi TP, bled down in 5 min. Dropped 6 soap sticks & left shut in.

2-21-75 8720' PBTB. Unloaded 20 BW in 20 min. Drop 6 soap sticks & SI 16 hrs. TP 540. Blew down in 4 min. Drop 4 soap sticks & SI 1 hr. TP 6 psi - open well & F 15 BLW & died. Lack 508 BLW.

2-24-75 No Report.

2-25-75 No Report.

2-28-75 8720' PBTB. TP 1760 psig after 141 hr SI. Opened well & blew down in 11 min. to dead. Dropped 6 soap sticks and SI one hr. TP increased to 170 psig. Opened well and flowed 30 bbls water in 45 min. then dead. Dropped another 6 soap sticks and SI for one hour with no increase in TP. Open well and flowed 20 bbls in 30 min then dead. 430 bbls load to recover. SI well until 3/6/75.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>P & A</u>										5. LEASE DESIGNATION AND SERIAL NO.
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>AMENDED REPORT</u>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <u>Chevron Oil Company - Western Division</u>										7. UNIT AGREEMENT NAME <u>Nelson Unit</u>
3. ADDRESS OF OPERATOR <u>P. O. Box 599 Denver, Colorado 80201</u>										8. FARM OR LEASE NAME <u>1</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface <u>1587' FNL & 1921' FWL (SE 1/4 NW 1/4)</u> At top prod. interval reported below <u>same</u> At total depth <u>same</u>										9. WELL NO. <u>1</u>
14. PERMIT NO. _____ DATE ISSUED <u>NOV 10 1975</u>										10. FIELD AND POOL, OR WILDCAT <u>Book Cliffs - Wildcat</u>
15. DATE SPUDDED <u>9-24-74</u> 16. DATE T.D. REACHED <u>12-18-74</u> 17. DATE COMPL. (Ready to prod.) <u>10-6-75 P & A</u> 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>KB 6647</u> 19. ELEV. CASING HEAD										11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA <u>S 3, T16S, R15E, SLB&M</u>
20. TOTAL DEPTH, MD & TVD <u>8752'</u> 21. PLUG, BACK T.D., MD & TVD <u>PBTD 8721</u> 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS <u>Yes</u> CABLE TOOLS <u>No</u>										12. COUNTY OR PARISH <u>Emery</u>
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>Plugged & Abandoned</u>										13. STATE <u>Utah</u>
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>BHC-Sonic GR, DIL, FDC-CNL</u>										25. WAS DIRECTIONAL SURVEY MADE <u>No</u>
27. WAS WELL CORED <u>No YES</u>										
28. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD			AMOUNT PULLED			
13-3/8"	48#	317'	17-1/2"	400 sx						
9-5/8"	36#	4344	12-1/4"	2250 sx						
5-1/2"	17#	3486-8737	8-3/4"	900 sx (3486' csg cut off & pulled)						
29. LINER RECORD					30. TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
		NONE				NONE				
31. PERFORATION RECORD (Interval, size and number) <u>See Attached</u> <u>3-USGS</u> <u>2-STATE</u> <u>1-ALF 1-JAD</u> <u>1-DIBB</u> <u>1-PARTNER</u> <u>2-FICE</u>					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) _____ AMOUNT AND KIND OF MATERIAL USED _____ <u>See Attached</u>					
33.* PRODUCTION										
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <u>P & A</u>					WELL STATUS (Producing or shut-in)			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	GAS-OIL RATIO			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							TEST WITNESSED BY			
35. LIST OF ATTACHMENTS <u>Perforating, Acidizing & Plugging</u>										
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records <u>J. A. Mishler</u> SIGNED <u>J. A. Mishler</u> TITLE <u>Engineering Assistant</u> DATE <u>11-3-75</u>										

*(See Instructions and Spaces for Additional Data on Reverse Side)

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37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
	3692	3706			NAME	MEAS. DEPTH
DST #1	3692	3706		Straddle open 195 min weak blow through-out test. Rec 275' fresh wtr, MC 2.42 bbls. IHH 1781, IFPP 10-11, ISIP 1245, FFP 33-126, FSIP 1335, FHH 1781, BHT 97°F.	Mesaverde Mancos Dakota Sand Cedar Mtn. Buckhorn Morrison TD	1275 (+5370) 4313 (+2334) 8389 (-1742) 8492 (-1845) 8692 (-2045) 8712 (-2065) 8753
DST #2	8386	8487		MFE open hole. Tool opened w/faint blow reopened 2nd period same. No fluid to surf. 1st flow 10 min ISI 45 min. 2nd flow 30 min. FSI 120 min. 1st IHP 4506 IFP 189 FFP 189 SIP 352 2nd IFP 212 FFP 212 SIP 393 FHP 4506		
DST #3	8666	8753		Rec. 305' drlg mud - BHT 168° Unsuccessful		

WESTERN DISTRICT
 LITHOLOGY FORMATION REPORT—CW-140

Date OCTOBER 19, 1974

Company CHEVRON

Well # 1 NELSON UNIT

Field W.C. (ROCK CLIFFS AREA)

Location SEANW

Sec. 3

Twp. 16 S

Rge. 15 E

Co. EMERY

State UTAH

Formation HESAVERDE

FROM	TO	THICK "	LITHOLOGY
			SWS ON SCH LOG RUN #1 @ 3790 SHOT 24 REC 15
3125		3/4	SS, WH, QTZ, SL CALC, WL IND, FN-MED, WL SRT, S' RND, ABUND O'GTHS, LOW-FAIR ϕ $\frac{1}{2}$ K, NSOE, SLOW V PR MILKY YELL CUT
3208		1/4	AA, MOD IND
3219		NR	
3239		1/4	SS, LTGY, QTZ, VEN-FN, S' RND, ABUND O'GTHS, WL IND, LOW ϕ $\frac{1}{2}$ K, NSOE, CUT AA
3279		3/4	SS, LTGY, QTZ, VEN-FN, S' ANG - S' RND, ABUND O'GTHS, WL IND, LOW-FAIR ϕ $\frac{1}{2}$ K, TR ASPH? MAT'L, NSOE. SLOW V WEAK MILKY YELL CUT, ASPH MAT'L GIVES SLOW STRS.
3283		NR	
3308		NR	
3681		1	COAL, BLACK, BITUM
3685		NR	
3687		3/4	SH, DKGY-BLK, V. SLTY-BORDERS ON SLTST, NON CALC, NSOE, MILKY YELL CUT
3693		1/2	SLTST, BLK, CLY, BORDERS ON SH, WL IND, NSOE
3695		NR	
3697		1/4	SS, LTGY, VEN-FN, QTZ, WL SRT, S' RND, ABUND O'GTHS, LOW-FAIR ϕ $\frac{1}{2}$ K, NO STN, SL PET ODOR, EVEN YELL WH FLUR, STR YELL BLUE WH CUT W/ YELL WH RESID RING.
3700		NR	
3705		NR	
3707		1/4	SS, LTGY, V. FN QTZ, WL SRT, S' RND, ABUND O'GTHS, IRREG BLK ASPH LAMS, MOD IND, LOW ϕ $\frac{1}{2}$ K, NO STN, TR PET ODOR, SPOTTY-EVEN YELL WH FLUR, V. SLOW STR MILKY YELL BLUE WH CUT W/ YELL WH RESID RING.
3714		3/4	SS, LTGY, VEN QTZ, WL SRT, ABUND O'GTHS, ASPH? MAT'L, LOW ϕ $\frac{1}{2}$ K, POSS CLY, NSOE.
3717		NR	
3721		3/4	SS AA
3727		3/4	SS AA

Perforating, Acidizing & Plugging Record
Nelson Unit 1
Book Cliffs Area

Perforated w/one shot/ft:

8708, 8702, 8697, 8692, 8673, 8667, 8660, 8550, 8541, 8525, 8469, 8485,
8477, 8438, 8432, 8426, 8421, 8393, 8390, 8253, 8243, 8238

Acidized 8708-8238 w/3300 gals of 15% HCl.

8708-8238 Frac'd well w/80,000 gallons YF4G (Dowell trade name)
 20,000 lbs 100 mesh sand, and 146,000 lbs 20/40 sand.

Plugged & Abandoned as follows:

1. Spotted 100 sx Class "G" cement 8720-7830 (perfs 8708-8238).
2. Cut & pulled 5-1/2" csg from 3486'. Spotted 150 sx Class "G" cement plug from 3532-3228.
3. Set 20 sx cement plug in top of 9-5/8" csg.
4. Installed dry hole marker.